Akka.net as an example of actor model

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Agenda

- What is actor model?
- What problem does it try to solve?
- What are the real case scenarios for Actor Model?
- Considerations
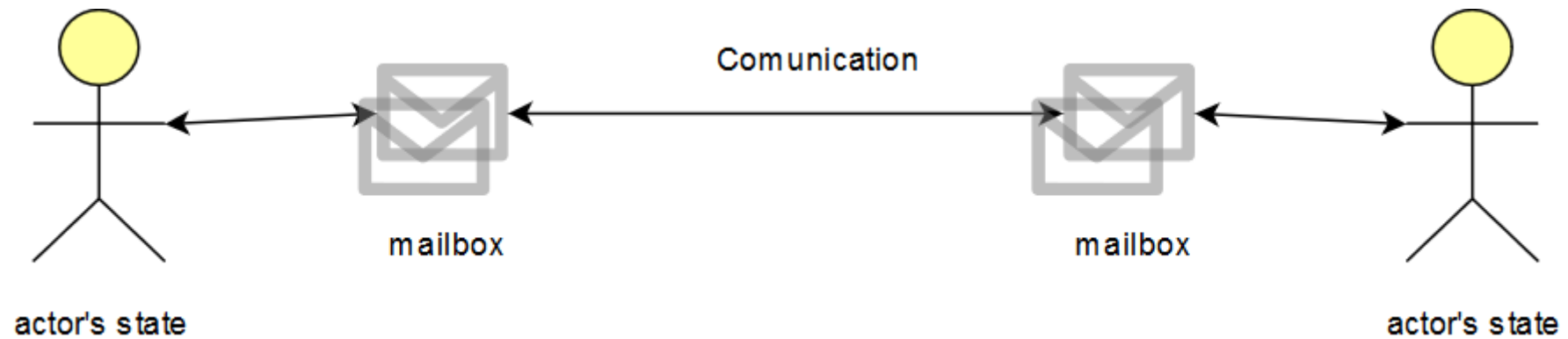- Other frameworks and useful resources
- Questions

What is Actor Model?

What is Actor?

What is Model?

What is Actor Model?

What is a definition of actor model?

What problem does it try to solve?

Isolation

Independent execution (no locks!)

What are the real case scenarios for Actor Model?

1. Processing streams of data concurrently

What are the real case scenarios for Actor Model?

2. Listening for changes in multi tenant system

What are the real case scenarios for Actor Model?

3. Candy shop ☺

What are the real case scenarios for Actor Model?

4. and much, much more!

Considerations

Debugging (both in-process and distributed)
Development
Testing
Configuration
Deployment

Other frameworks and useful resources

- https://getakka.net/
- https://dotnet.github.io/orleans/
- http://proto.actor/
- https://www.brianstorti.com/the-actor-model/

Questions?